

SUWANNEE RIVER BASIN
1999 and 2000 Water Years

02314274 SUWANNEE RIVER AT SILL, NEAR FARGO, GA

LOCATION.—Lat 30°48'14", long 82°25'03", in Okefenokee National Wildlife Refuge and Wilderness Area, Charlton County, Hydrologic Unit 03110201, at southern control structure on Okefenokee Swamp Sill, 12.0 miles northeast of Fargo.

DRAINAGE AREA.—Indeterminate.

PERIODIC WATER-QUALITY DATA

PERIOD OF RECORD.—October 1998 to current year.

REMARKS.—None.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	GAGE HEIGHT (FEET) (00065)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	SAM- PLING METHOD, CODES (82398)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)
FEB											
10...	1745	81213	1028	113.77	320	<1	70	96	764	3.3	36
APR											
20...	1005	81213	1028	112.31	320	2	50	111	759	4.4	47
JUN											
16...	1350	81213	1028	--	--	--	70	--	758	6.4	87
AUG											
04...	1212	81213	1028	112.49	480	<1	70	135	760	1.4	18

DATE	PH WATER WHOLE FIELD (STAND- ARDS UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED AS CA (00915)	MAGNE- SIUM, DIS- SOLVED AS MG (00925)	POTAS- SIUM, DIS- SOLVED AS K (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM DIS- SOLVED AS NA (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)
FEB										
10...	3.7	70	19.0	3	.60	.40	<.1	.7	3.0	<1
APR										
20...	3.9	78	18.3	4	.70	.50	<.1	.8	3.4	<1
JUN										
16...	4.0	78	31.3	--	--	--	--	--	--	--
AUG										
04...	3.9	98	28.8	4	.70	.50	<.1	.8	3.6	<1

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)
FEB										
10...	5.3	<.1	5.3	.2	.85	<.01	--	<.020	<.01	--
APR										
20...	6.6	<.1	4.1	<.2	.92	.01	.01	<.020	<.01	.91
JUN										
16...	--	--	--	--	--	--	--	--	--	--
AUG										
04...	5.6	<.1	7.1	.3	1.5	.02	.03	<.020	<.01	1.5

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02314274 SUWANNEE RIVER AT SILL, NEAR FARGO, GA--continued

DATE	PHOS- PHATE, TOTAL (MG/L AS P) (00650)	PHOS- PHORUS TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC PARTIC- ULATE TOTAL (MG/L AS C) (00689)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)
FEB 10...	.061	.020	.030	41	.3	<1.0	<1	<1	<1	<1.0
APR 20...	.061	.020	<.020	--	--	<1.0	<1	<1	<1	<1.0
JUN 16...	--	--	--	44	2.6	--	--	--	--	--
AUG 04...	.061	.020	.020	--	--	<1.0	<1	<1	<1	<1.0

DATE	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR) (01032)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)
FEB 10...	<1.0	<5	<1	<1	<1	320	<1	<1	<.1	<.1
APR 20...	<1.0	<5	<1	1	1	480	<1	<1	<.1	<.1
JUN 16...	--	--	--	--	--	--	--	--	--	--
AUG 04...	<1.0	<5	7	<1	<1	880	<1	<1	<.1	<.1

DATE	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	TANNIN AND LIGNIN (MG/L) (32240)	SAMPLER TYPE (CODE) (84164)
FEB 10...	<1	<1	<1.0	<1	5.0	<1	5	5	--	3060
APR 20...	<1	<1	<1.0	<1	6.0	<1	14	7	11	3060
JUN 16...	--	--	--	--	--	--	--	--	9.8	3070
AUG 04...	<1	4	<1.0	<1	8.0	<1	6	6	14	3060

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	AGENCY ANA- LYZING SAMPLE (CODE NUMBER) (00028)	AGENCY COL- LECTING SAMPLE (CODE NUMBER) (00027)	GAGE HEIGHT (FEET) (00065)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	SAM- PLING METHOD, CODES (82398)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED SATUR- ATION (00301)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)
FEB 23...	1300	81213	1028	112.50	240	2	70	79	765	6.1	60	3.2
JUN 20...	1423	81213	1028	109.22	280	9	30	84	757	3.2	40	3.5
SEP 13...	1128	80020	1028	106.95	480	2	40	106	758	5.1	64	3.8

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02314274 SUWANNEE RIVER AT SILL, NEAR FARGO, GA—continued

DATE	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM AD- SORP- TION RATIO (00931)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)
FEB 23...	78	14.8	4	.60	.50	<.1	.8	3.6	--	<1	6.7	<.1
JUN 20...	78	26.8	4	.80	.60	.3	.8	4.1	65	<1	7.3	<.1
SEP 13...	83	26.7	4	.60	.50	<.1	.8	3.3	--	<1	5.2	<.1
DATE	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4) (71845)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHATE, TOTAL (MG/L AS PO4) (00650)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)
FEB 23...	6.6	.5	.78	.04	.05	<.020	<.01	.74	--	E.020	<.020	<1.0
JUN 20...	3.5	1.1	1.2	.02	.03	<.020	<.01	1.2	--	E.010	.040	<1.0
SEP 13...	7.7	.4	1.2	.02	.03	<.020	<.01	1.2	.061	.020	.020	<1.0
DATE	ARSENIC TOTAL (UG/L AS AS) (01002)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR) (01032)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)
FEB 23...	<1	<1	<1	<1.0	<1.0	<5	<1	<1	<1	290	<1	<1
JUN 20...	<1	<1	<1	<1.0	<1.0	<5	22	<1	2	480	<1	<1
SEP 13...	<1	<1	<1	<1.0	<1.0	<5	1	<1	<1	610	<1	<1
DATE	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SELE- NIUM, TOTAL SOLVED (UG/L AS SE) (01147)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	TANNIN AND LIGNIN (MG/L) (32240)	SAMPLER TYPE (CODE) (84164)
FEB 23...	<.1	<.1	<1	<1	<1.0	<1	6.0	<1	3	3	9.6	3070
JUN 20...	<.1	<.1	<1	27	<1.0	<1	7.0	<1	6	6	9.3	3060
SEP 13...	--	<.1	<1	<1	<1.0	<1	6.0	<1	10	11	9.8	3070